## 033-004 Seq List.txt SEQUENCE LISTING

<110>	Univ	versitätskl	inikum Frei	burg			
<120>	Modu	ulation of (	Osteoblast /	Activity by	Fh12		
<130>	Fh12	2					
<160>	3						
<170>	PatentIn version 3.1						
<210>	1						
<211>	840						
<212>	DNA						
<213>	homo	o sapiens					
<400>	1						
	gagc	gctttgactg	ccaccattgc	aacgaatctc	tctttggcaa	gaagtacatc	60
ctgcggg	gagg	agagccccta	ctgcgtggtg	tgctttgaga	ccctgttcgc	caacacctgc	120
gaggagt	tgtg	ggaagcccat	cggctgtgac	tgcaaggact	tgtcttacaa	ggaccggcac	180
tggcatg	gaag	cctgtttcca	ctgctcgcag	tgcagaaact	cactggtgga	caagcccttt	240
gctgcca	aagg	aggaccagct	gctctgtaca	gactgctatt	ccaacgagta	ctcatccaag	300
tgccagg	gaat	gcaagaagac	catcatgcca	ggtacccgca	agatggagta	caagggcagc	360
agctggd	catg	agacctgctt	catctgccac	cgctgccagc	agccaattgg	aaccaagagt	420
ttcatco	cca	aagacaatca	gaatttctgt	gtgccctgct	atgagaaaca	acatgccatg	480
cagtgcg	gttc	agtgcaaaaa	gcccatcacc	acgggagggg	tcacttaccg	ggagcagccc	540
tggcaca	aagg	agtgcttcgt	gtgcaccgcc	tgcaggaagc	agctgtctgg	gcagcgcttc	600
acagcto	gcg	atgactttgc	ctactgcctg	aactgcttct	gtgacttgta	tgccaagaag	660
tgtgctg	gggt	gcaccaaccc	catcagcgga	cttggtggca	caaaatacat	ctcctttgag	720
gaacggo	agt	ggcataacga	ctgctttaac	tgtaagaagt	gctccctctc	actggtgggg	780
cataact	ttcc	tcacagagag	ggacgacatc	ctatacccca	actotoooaa	agacatetga	840

<210> 2

<211> 279

<212> PRT

<213> homo sapiens

<400> 2

Met Thr Glu Arg Phe Asp Cys His His Cys Asn Glu Ser Leu Phe Gly  $1 \hspace{1cm} 5 \hspace{1cm} 10 \hspace{1cm} 15$ 

Lys Lys Tyr Ile Leu Arg Glu Glu Ser Pro Tyr Cys Val Val Cys Phe 20 25 30

Glu Thr Leu Phe Ala Asn Thr Cys Glu Glu Cys Gly Lys Pro Ile Gly 35 40 45

Cys Asp Cys Lys Asp Leu Ser Tyr Lys Asp Arg His Trp His Glu Ala 50 60

Cys Phe His Cys Ser Gln Cys Arg Asn Ser Leu Val Asp Lys Pro Phe 65 70 75 80

Ala Ala Lys Glu Asp Gln Leu Leu Cys Thr Asp Cys Tyr Ser Asn Glu 85 90 95

Tyr Ser Ser Lys Cys Gln Glu Cys Lys Lys Thr Ile Met Pro Gly Thr  $100 \hspace{1cm} 105 \hspace{1cm} 110$ 

Arg Lys Met Glu Tyr Lys Gly Ser Ser Trp His Glu Thr Cys Phe Ile 115 120 125

Cys His Arg Cys Gln Gln Pro Ile Gly Thr Lys Ser Phe Ile Pro Lys 130 140

Asp Asn Gln Asn Phe Cys Val Pro Cys Tyr Glu Lys Gln His Ala Met 145 150 155 160

Gln Cys Val Gln Cys Lys Lys Pro Ile Thr Thr Gly Gly Val Thr Tyr 165 170 175

Arg Glu Gln Pro Trp His Lys Glu Cys Phe Val Cys Thr Ala Cys Arg 180 185 190

Lys Gln Leu Ser Gly Gln Arg Phe Thr Ala Arg Asp Asp Phe Ala Tyr 195 200 205 Page 2

## 033-004 Seq List.txt

Cys Leu Asn Cys Phe Cys Asp Leu Tyr Ala Lys Lys Cys Ala Gly Cys 210 220

Thr Asn Pro Ile Ser Gly Leu Gly Gly Thr Lys Tyr Ile Ser Phe Glu 225 230 235 240

Glu Arg Gln Trp His Asn Asp Cys Phe Asn Cys Lys Lys Cys Ser Leu 245 250 255

Ser Leu Val Gly Arg Gly Phe Leu Thr Glu Arg Asp Asp Ile Leu Cys 260 265 270

Pro Asp Cys Gly Lys Asp Ile 275

<210> 3

<211> 1892

<212> DNA

<213> homo sapiens

<400> agggtacggg ccgggaccgc cgcagcccgg ggcgggggca cggcaaccgc gaggcctggg 60 120 ggcgcccgcc ccccgcgccc cacgcccggt gccagcgagc cgaggcgtgc atctccttat atggtcaaat gacacggcgg ggtttctcga gggcgggagc tgcgcagcgc tccactcggc 180 cggcagcgga gccgcagcca ccagccgccc gcgccctcca gccccgtccg ggagtccccg 240 gcccgctgcg gtgccgtgag tacctccaac cccctgcgcc ccggagggag gccgaggggc 300 ttagccacca gggctcggaa gtgggggccg aatccggtgc gagacccaag gagaggggag 360 cagagccgga gttggggaga ctgtggctga aaactgtgtc ttcctggaga ctaggctggc 420 480 attttgactt tgggacggag tctcgctttg tcgcccaggc tggagtgcag tggcacgatc 540 tcagctcact gcaagctcta cctcttggtt cacgccattc tcctgcccca gcctcccaag tagctgggac tacaggttgc tgaaaagcca ggagtcaaaa tgactgagcg ctttgactgc 600 caccattgca acgaatctct ctttggcaag aagtacatcc tgcgggagga gagcccctac 660 720 tgcgtggtgt gctttgagac cctgttcgcc aacacctgcg aggagtgtgg gaagcccatc 780 ggctgtgact gcaaggactt gtcttacaag gaccggcact ggcatgaagc ctgtttccac tgctcgcagt gcagaaactc actggtggac aagccctttg ctgccaagga ggaccagctg 840 ctctgtacag actgctattc caacgagtac tcatccaagt gccaggaatg caagaagacc 900

## 033-004 Seq List.txt atcatgccag gtacccgcaa gatggagtac aagggcagca gctggcatga gacctgcttc 960 atctgccacc gctgccagca gccaattgga accaagagtt tcatccccaa agacaatcag 1020 1080 cccatcacca cgggaggggt cacttaccgg gagcagccct ggcacaagga gtgcttcgtg 1140 tgcaccgcct gcaggaagca gctgtctggg cagcgcttca cagctcgcga tgactttgcc 1200 tactgcctga actgcttctg tgacttgtat gccaagaagt gtgctgggtg caccaacccc 1260 atcagcggac ttggtggcac aaaatacatc tcctttgagg aacggcagtg gcataacgac 1320 tgctttaact gtaagaagtg ctccctctca ctggtggggc gtggcttcct cacagagagg 1380 gacgacatcc tgtgccccga ctgtgggaaa gacatctgaa ttcaacacag agaagttgct 1440 gcttgtgatc tcacacacag atttttatgt tttctttctc acccaggcaa tcttgccttc 1500 tggtttcttc cagccacatt gagactttct tctagtgctt ttcagtgata ctcacgtttg 1560 cttaaaccct ttagtgcttt gtgatagttc agtcccaggg aaagagaaaa ctcgccctag 1620 gccctaggtg ggaagatggt ttgaaatttt tgtaatcgag taaggcacac ccaaatgtaa 1680 aaatcctttt gaatgatgcc tttataaatc tttctctcac tgtctattta agtgcaatta 1740 acatatgtca cgaacttgaa agttttctaa actcaataag gtaatgacca gttgttattt 1800 acagctctgt aacctcccgt tgcgtcaagt ctaaaccaag attatgtgac ttgcaataaa 1860 gttattcaga acagaaaaaa aaaaaaaaaa aa 1892